

CLAIMS

What is claimed is:

- 1 1. A syringe comprising:
2 a syringe cylinder having an end;
3 a syringe connection provided on said end of said syringe cylinder, said
4 syringe connection having a free end; and
5 a membrane closing said free end of said syringe connection, wherein,
6 said syringe cylinder, said syringe connection, and said membrane are
7 formed as one piece of injection molded plastic.
- 1 2. A syringe as in claim 2 further comprising a cap which engages
2 over said free end of said syringe connection, said cap having a spike for piercing said
3 membrane.
- 1 3. A syringe as in claim 2 wherein said cap is movable from a first
2 position, where said spike is arranged opposite said membrane, to a second position,
3 where said spike pierces said membrane.
- 1 4. A syringe as in claim 3 wherein said cap comprises a Luer
2 connection having an inside, said spike being formed as a tube which communicates
3 with said inside of said Luer connection.
- 1 5. A syringe as in claim 3 wherein one of said cap and said syringe
2 connection is provided with at least one groove with a thread-like axial gradient, and the

3 other of said cap and said syringe connection is provided with at least one stud which
4 engages in a respective at least one groove, thereby providing a bayonet connection for
5 moving said cap from said first position to said second position.

1 6. A syringe as in claim 4 further comprising a removable protective
2 cap which engages over said Luer connection.

1 7. A syringe as in claim 1 wherein said syringe connection comprises
2 a Luer connection, said membrane closing only said Luer connection.

1 8. A syringe as in claim 2 wherein said syringe connection comprises
2 a lock connection having an internal thread, and said cap has an external thread which
3 engages said internal thread of said lock connection.

1 9. A syringe as in claim 3 further comprising means for retaining said
2 cap in said first position so that force is required to move said cap from said first position
3 to said second position.

1 10. A syringe as in claim 8 wherein said lock connection comprises a
2 ring which tapers conically toward said free end and forms a means for retaining said
3 cap in said first position so that force is required to move said cap from said first position
4 to said second position.

1 11. A syringe cylinder comprising a syringe connection in the form of a
2 Luer connection have a lumen closed off by a membrane, said syringe cylinder being
3 formed as a one-piece plastic injection molded part.

1 12. A syringe cylinder as in claim 11 wherein said syringe cylinder
2 consists of polyolefins.

1 13. A syringe cylinder as in claim 12 wherein said polyolefins comprise
2 at least one of polypropylene and cyclo-olefin polymers.